

# SPECTRA

## HORIZONTAL OPTICAL COMPARATOR



### Key points

- Large capacity, bright image, X,Y skew
- High quality optics
- Erect image displaying yields right-side-up viewing of the part
- Quick disconnect projection lenses
- Profile edge detection
- Large choice of display units or InSpec Metrology software
- Wide range of accessories
- Contour and surface illumination
- Heavy-Duty bench model

illumination	Contour						Surface					
Magnification	10x	20x	30x	40x	50x	100x	10x	20x	30x	40x	50x	100x
View field diameter (mm)	35,5	17,8	11,8	8,9	7,1	3,5	35,5	17,8	11,8	8,9	7,1	3,5
Working distance (mm)	81	81	76	67	58	49	81	81	76	67	58	49
Max. workpiece width (mm)	96	96	96	96	96	96	96	96	96	96	96	96
Max. workpiece diam. (mm)	205	205	205	205	205	205	205	205	205	205	205	205

### Features

- X, Y, Z travel : 300 x 150 x 75 mm
- 14" - 355 mm vertical screen with 4 clips
- 2 µm optical linear encoders, optional 1µm
- Stage size : 455 x 125 mm
- Workpiece load : 10kg
- Profile light : condensed 100 W halogen  
Surface light : Thru-the-lens 50 W quartz halogen
- Magnification accuracy : ± 0,06% under contour illumination - ± 0,10% under surface illumination
- Dimensions : W 510 x D 1080 x H 1029 mm  
( with bench 1755 mm )
- Power supply : 220V / 50-60 Hz
- Weight : 150 kg



Quadra Chek Counter



InSpec Metrology software

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# VECTRA

## VERTICAL OPTICAL COMPARATOR

### Key points

- Image : erected and unreversed
- A wide variety of X,Y travel
- High quality optics
- Standard, 2D Computer
- Optional, metrology software
- Profile edge detection
- X, Y axis rapid declutching movement
- Surface and contour illumination
- A wide variety of lens, magnifications and other accessories



Illumination	Vectra 070 - 150								Vectra 250							
	Contour				Surface				Contour				Surface			
Magnification	10x	20x	50x	100x	10x	20x	50x	100x	10x	20x	50x	100x	10x	20x	50x	100x
View field diam. (mm)	30.6	15.3	6.1	3	30.6	15.3	6.1	3	30.6	15.3	6.1	3	30.6	15.3	6.1	3
Working distance (mm)	73	68	26	25	23	29	6	5	73	68	26	25	23	29	6	5
Workpiece Height (mm)	70	70	70	70	70	70	70	70	100	100	100	100	100	100	100	100
Workpiece diam. (mm)	140	140	60	55	140	140	48	45	200	200	60	55	170	160	48	45

### Features

- X, Y travel (mm) :  
75 x 50, 100 x 50, 150 x 50, 250 x 150
- 12" - 306 mm vertical screen with 4 clips
- 1 µm optical linear encoders
- Workpiece load : 5 kg to 20 kg (Vectra 250)
- Standard, 2D computer and 10x projection lens
- Illumination : 24v / 150 W halogen bulb
- Magnification accuracy : profil ± 0,08% - surface ± 0,12%
- Vectra 070-150 : W 510 x D 780 x H 1120 mm  
Vectra 250 : W 570 x D 800 x H 1120 mm
- Power supply : 220V / 50-60 Hz
- Vectra 070-150 : 100 kg and Vectra 250 : 175 kg

A wide range of precision measurement systems

